

PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/603,874
Filing Date	June 25, 2003
First Named Inventor	John D. Affinito
Art Unit	1762
Examiner Name	
Attorney Docket Number	BAT 0019 VA/31089.56

Sheet 1 of 1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
KA		US- 6,207,239 B1	03/27/2001	John D. Affinito	
KB		US- 6,217,947 B1	04/17/2001	John D. Affinito	
KA		US- 6,224,948 B1	05/01/2001	John D. Affinito	
KA		US- 6,228,434 B1	05/08/2001	John D. Affinito	
KA		US- 6,228,436 B1	05/08/2001	John D. Affinito	
KA		US- 6,274,204 B1	08/14/2001	John D. Affinito	
KA		US- 2002/0102363 A1	08/01/2002	Affinito, et al	
KA		US- 6,497,924 B1	12/24/2002	Affinito, et al	
KA		US- 6,509,065 B2	01/21/2003	John D. Affinito	
KA		US- 6,544,600 B2	04/08/2003	Affinito, et al	
KA		US- 6,613,395 B2	09/02/2003	Affinito, et al	
KA		US- 6,627,267 B2	09/30/2003	John D. Affinito	
KA		US- 6,656,537 B2	12/02/2003	Affinito, et al	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	<i>Kevin G. [Signature]</i>	Date Considered	5/31/04
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NA		WO 01/81649 A1	11/01/2001	Battelle Memorial Institute		
NA		WO 01/82389 A1	11/01/2001	Battelle Memorial Institute		
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**Examiner
Signature**

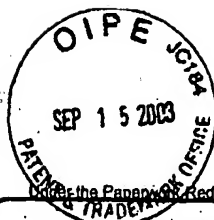
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Attorney Docket Number	BAT 0019 VA/40078.228

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
VB		US- 3,475,307 A	10/28/1969	Knox et al.	
VB		US- 3,607,305 A	09/21/1971	Lindlof	
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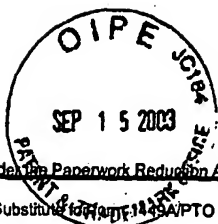
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VB		BE 704 297	02/01/1968	Continental Oil		
VB		DE 19603746	04/24/1997	Bosch GmbH Robert		
VB		EP 0 299 753	01/18/1989	The BOC Group, Inc.		
VB		EP 0 340 935	11/08/1989	Spectrum Control, Inc.		
VB		EP 0 390 540	10/03/1990	Sharp Kabushiki Kaisha		

Examiner Signature		Date Considered	5/31/04
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Sheet

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of

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First Named Inventor	John D. Affinito
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Examiner Name	
Attorney Docket Number	BAT 0019 VA/40078.228

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		Number-Kind Code ² (if known)			
KA		US- 5,547,508 A	08/20/1996	Affinito	
KA		US- 5,554,220 A	09/10/1996	Forrest et al.	
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KA		US- 5,711,816 A	01/27/1998	Kirlin et al.	
KA		US- 5,725,909 A	03/10/1998	Shaw et al.	
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KA		US- 5,747,182 A	05/05/1998	Friend et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
KA		EP 0 722 787	07/24/1996	Catalina Coatings, Inc.		
KA		EP 0 787 826	08/06/1997	Becton Dickinson		
KA		EP 0 916 394	05/19/1999	Sharp Kabushiki Kaisha		
KA		EP 0 931 850	07/28/1999	Leybold Systems GmbH		
KA		EP 0 977 469	02/02/2000	Hewlett-Packard		

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Sheet 3 of 7

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		Number-Kind Code ² (if known)			
Ka		US- 5,757,126 A	05/26/1998	Harvey, III et al.	
Ka		US- 5,759,329 A	06/02/1998	Krause et al.	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
Ka		JP 63136316	06/08/1988	Hitachi Ltd.		
Ka		JP 64-18441	01/23/1989	Yoshida et al.		
Ka		JP 2-183230	07/17/1990	Akagi et al.		
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Ka		JP 09059763	03/04/1997	Matsushita Electric		

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<i>KA</i>		US- 5,968,620 A	10/19/1999	Harvey et al.	
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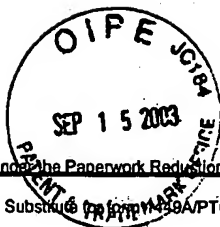
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		Country Code ³ Number * Kind Code ⁵ (if known)				
<i>KA</i>		WO 87 07848	12/30/1987	Spectrum Control, Inc.		
<i>KA</i>		WO 95 10117	04/13/1995	Catalina Coatings, Inc.		
<i>KA</i>		WO 97 04885	02/13/1997	Battelle Memorial		
<i>KA</i>		WO 97/22631	06/26/1997	Talison Research		
<i>KA</i>		WO 98 10116	03/12/1998	Talison Research		

Examiner Signature	<i>Ken Smith</i>	Date Considered	5/31/04
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Examiner Name	
Attorney Docket Number	BAT 0019 VA/40078.228

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
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FOREIGN PATENT DOCUMENTS

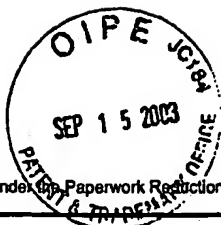
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁴
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
lee		WO 98 18852	05/07/1998	Catalina Coatings, Inc.		
lee		WO 99 16557	04/08/1999	Battelle Memorial		
lee		WO 99 16931	04/08/1999	Battelle Memorial		

Examiner Signature	<i>Kevin G. Smith</i>	Date Considered	5/31/04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/603,874
Filing Date	June 25, 2003
First Named Inventor	John D. Affinito
Art Unit	
Examiner Name	
Attorney Docket Number	BAT 0019 VA/40078.228

Sheet 6 of 7

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>He</i>		AFFINITO, J.D. ET AL., "High Rate Vacuum Deposition of Polymer Electrolytes," Journal Vacuum Science Technology A 14(3), May/Jun. 1996	
<i>He</i>		INOUE ET AL., Fabrication of a Thin Film of MNA by Vapour Deposition, Proc. Jpn. Congr. Mater. Res., vol. 33, p. 177-9, 1990	
<i>He</i>		AFFINITO, J.D. ET AL., "PML/Oxide/PML Barrier Layer Performance Differences Arising From Use of UV or Electron Beam Polymerization of the PML Layers," Thin Solid Films, Elsevier Science S.A., vol. 308-309, Oct. 31, 1997, pp. 19-25	
<i>He</i>		GUSTAFSSON, G. ET AL., "Flexible light-emitting diodes made from soluble conducting polymers," Nature, vol. 357, Jun. 11, 1992, pp.447-479	
<i>He</i>		AFFINITO, J.D. ET AL., "Polymer-Oxide Transparent Barrier Layers," SVC 39th Annual Technical Conference, Vacuum Web Coating Session, 1996, pp. 392-397	
<i>He</i>		AFFINITO, J.D. ET AL., "PML/Oxide/PML Barrier Layer Performance Differences Arising From Use of UV or Electron Beam Polymerization of the PML Layers," SVC 40th Annual Technical Conference, 1997, pp. 19-25	
<i>He</i>		WONG, C.P., "Recent Advances in IC Passivation and Encapsulation: Process Techniques and Materials," Polymers for Electronic and Photonic Applications, AT&T Bell Laboratories, 1993, pp. 167-209	
<i>He</i>		TROPSHA ET AL., "Activated Rate Theory Treatment of Oxygen and Water Transport through Silicon Oxide/Poly(ethylene terephthalate) Composite Barrier Structures," J. Phys. Chem B 1997, pp. 2259-2266	
<i>He</i>		TROPSHA ET AL., "Combinatorial Barrier Effect of the Multilayer SiO _x Coatings on Polymer Substrates," 1997 Society of Vacuum Coaters, 40th Annual Technical Conference Proceedings.	
<i>He</i>		PHILLIPS ET AL., "Evaporated Dielectric Colorless Films on PET and OPP Exhibiting High Barriers Toward Moisture and Oxygen," Society of Vacuum Coaters, 36th Annual Technical Conference Proceedings (1993), pp. 293-300	

Examiner
Signature

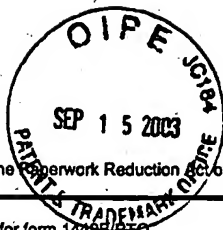
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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Application Number	10/603,874
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First Named Inventor	John D. Affinito
Art Unit	
Examiner Name	
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Ka		CHAHROUDI, "Transparent Glass Barrier Coatings for Flexible Film Packaging," Society of Vacuum Coaters, 34th Annual Technical Conference Proceedings (1991), pp. 130-133	
Ka		YAMADA ET AL., "The Properties of a New Transparent and Colorless Barrier Film," Society of Vacuum Coaters, 38th Annual Technical Conference Proceedings (1995), pp. 28-31	
Ka		SHI, M.K. ET AL., Plasma treatment of PET and acrylic coating surfaces-I. In situ XPS measurements, Journal of Adhesion Science and Technology, Mar. 2000, 14(12), pp. 1-28	
Ka		SHI, M.K. ET AL. In situ and real-time monitoring of plasma-induced etching PET and acrylic films, Plasmas and Polymers, Dec. 1999, 4(4), pp. 1-25	
Ka		AFFINITO, J.D. ET AL., Vacuum Deposited Conductive Polymer Films, The Eleventh International Conference on Vacuum Web Coating, no earlier than Feb. 1998, pp. 200-213	
Ka		MAHON, J.K. ET AL., Requirements of Flexible Substrates for Organic Light Emitting Devices in Flat Panel Display Applications, Society of Vacuum Coaters, 42nd Annual Technical Conference Proceedings, 1999, pp. 456-459	
Ka		AFFINITO, J.D. ET AL., "Molecularly Doped Polymer Composite Films for Light Emitting Polymer Applications Fabricated by the PML Process" 1998 Society of Vacuum Coaters, 41st Annual Technical Conference Proceedings (1998), pp. 220-225	
Ka		AFFINITO, J.D. ET AL., "Vacuum Deposition of Polymer Electrolytes on Flexible Substrates," "Proceedings of the Ninth International Conference on Vacuum Web Coating," Nov. 1995 ed R. Bakish, Bakish Press 1995, p. 20-26	
Ka		VOSEN, J.L. ET AL., Thin Film Processes, Academic Press, 1978, Part II, Chapter 11-1, Glow Discharge Sputter Deposition, p. 12-63; Part IV, Chapter IV-1, Plasma Deposition of Inorganic Compounds and Chapter IV-2 Glow Discharge Polymerization, p. 335-397	
Ka		PENNING, F.M., Electrical Discharges in Gases, Gordon and Breach Science Publishers, 1965, Chapters 5-6, p. 19-35, and Chapter 8, p. 41-50	

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